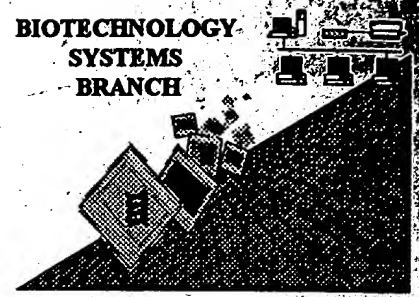


Partner

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



# **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/252,691A  
Art Unit / Team No. : 1641  
Date Processed by STIC: 2/15/2000

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

**BEST AVAILABLE COPY**

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691A

DATE: 02/15/2000  
TIME: 12:44:31

Input Set: I252691A.RAW

This Raw Listing contains the General  
Information Section and those Sequences  
containing ERRORS.

Does Not Comply  
Corrected Diskette Needed

1 <110> Keith G. Weinstock et al.  
2 <120> NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROBACTER  
3 CLOACAE FOR DIAGNOSTICS AND THERAPEUTICS  
4 <130> 107196.135  
5 <140> US/09/252,691A  
6 <141> 1999-02-18  
7 <160> 11324

ERRORED SEQUENCES FOLLOW

8 <210> 5668  
9 <211> 224  
10 <212> PRT  
11 <213> Enterobacter cloacae  
12 <400> 5668  
13 Pro Leu Pro Leu Ser Trp Gln Ser Val Val Lys Thr Ser Ala Thr Phe  
14 1 5 10 15  
15 Phe Thr Asn Ile Thr Leu Gly Lys Leu Ser Leu Leu Phe Leu Ala Leu  
16 20 25 30  
17 Gly Val Ala Tyr Ala Ala Ile Arg Arg Thr Leu Leu Ile Val Tyr Pro  
18 35 40 45  
19 Pro Ile Leu Ser Asp Gly Leu Phe Asn Phe Val Val Met Gln Thr Leu  
20 50 55 60  
21 Phe Tyr Ile Pro Phe Phe Leu Ile Gly Ala Leu Ala Phe Ile His Pro  
22 65 70 75 80  
23 Arg Leu Lys Ala Leu Phe Thr Thr Pro Ser Pro Trp Cys Ala Val Gly  
24 85 90 95  
25 Ala Ala Leu Ala Phe Ala Ala Tyr Leu Leu Asn Gln Arg Tyr Gly Ser  
26 100 105 110  
27 Gly Asp Ala Trp Met Tyr Glu Thr Glu Ser Val Ile Thr Met Leu Met  
28 115 120 125  
29 Gly Leu Trp Met Val Asn Val Val Phe Ala Leu Gly His Arg Leu Leu  
30 130 135 140  
31 Asn Phe Lys Ser Ser Arg Val Thr Tyr Phe Val Asn Ala Ser Leu Phe  
32 145 150 155 160  
33 Ile Tyr Leu Val His His Pro Leu Thr Leu Phe Phe Gly Ala Tyr Ile  
34 165 170 175  
35 Thr Pro His Ile Ala Ser Asn Ala Leu Gly Phe Phe Thr Gly Leu Val  
36 180 185 190  
37 Phe Val Val Gly Ile Ala Ile Val Leu Tyr Glu Ile His Leu Arg Ile  
38 195 200 205  
39 Pro Leu Leu Arg Phe Leu Phe Ser Gly Lys Pro Gln Val Lys Ala Gly

*next page*

PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691ADATE: 02/15/2000  
TIME: 12:44:31

Input Set: I252691A.RAW

40  
 E--> 41 <sup>210</sup> <sup>215</sup> <sup>220</sup>  
 42 <210> 5671  
 43 <211> 334  
 44 <212> PRT  
 45 <213> Enterobacter cloacae  
 46 <220>  
 47 <221> UNSURE  
 48 <222> (333)  
 49 <400> 5671  
 50 Met Ala Asn Tyr Thr Val Asp Glu Phe Ile Ile Gln Leu Gly Phe  
 51 1 5 10 15  
 52 Glu Thr Val Ser Lys Asn Leu Gln Lys Leu Glu Ser Arg Thr Leu  
 53 20 25 30  
 54 Val Ala Glu Arg Ile Glu Lys Asn Leu Asn Arg Ala Phe Thr Pro  
 55 35 40 45  
 56 Gly Asp Phe Gly Arg Val Ile Ser Ser Ala Asn Asn Ala Ser Lys  
 57 50 55 60  
 58 Ile Asn Arg Ala Phe Ser Lys Ser Met Asn Phe Asp Glu Ala Gly  
 59 65 70 75  
 60 Ser Ser Val Lys Ser Val Glu Asn Ala Ala Lys Ala Ser Ala Lys  
 61 85 90 95  
 62 Ile Lys Asp Met Tyr Gln Asp Ala Tyr Gly Ala Lys Gly Lys Gly  
 63 100 105 110  
 64 Ser Asn Pro Pro Ala Ala Gly Lys Pro Gln Gly Arg Gly Ser Asp  
 65 115 120 125  
 66 Thr Ala Ala Asn Ser Ile Arg Ser Leu Ala Asn Thr Gln Phe Tyr  
 67 130 135 140  
 68 Asn Leu Thr Arg Arg Leu Glu Gly Met Gly Ser Thr Gly Gln Ala  
 69 145 150 155  
 70 Ala Met Lys Leu Arg Gln Gln Val His Gly Leu Arg Asp Asp Ala  
 71 165 170 175  
 72 Ala Asn Pro Ser Ala Ser Leu Asn Gln Phe Arg Leu Ala Leu Arg  
 73 180 185 190  
 74 Ala Thr Asp Ser Ala Ser Lys Trp Ala Ser Gln Asn Arg Lys Gln  
 75 195 200 205  
 76 Ser Asn Ala Glu Gly Leu Ser Ser Ser Phe Gly Arg Leu Val Ser  
 77 210 215 220  
 78 Ser Ala Ala Leu Tyr Gly Thr Phe Glu Ala Val Arg Lys Val Val  
 79 225 230 235  
 80 Thr Gly Val Ala Arg Glu Gly Val Asn Leu Ser Ala Glu Ala Val  
 81 245 250 255  
 82 Lys Gly Gln Ser Lys Asn Ala Lys Thr Phe Ala Ala Gln Phe Ser  
 83 260 265 270  
 84 Gln Ile Gly Gln Gly Val Thr Glu Thr Leu Lys Gln Tyr Thr Gly  
 85 275 280 285  
 86 Ala Ala Gly Ala Gln Asn Ser Leu Gly Tyr Gln Gly Thr Gln Asp  
 87 290 295 300  
 88 Tyr Lys Asn Ala Ala Val Phe Gly Arg Ile Arg Gly Leu Asp Ala

*delete - do not show numbers that are not used - otherwise they are considered errored*  
*see next page*  
*(- please ignore missing ending amino acids. This is due to error on next page.*

PAGE: 3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691A

DATE: 02/15/2000  
TIME: 12:44:31

Input Set: I252691A.RAW

89	305	310	315	320
W--> OK 90	Gln Arg Thr Gly Ile Met Ile Phe Thr Ser Arg Ala Xaa			
E--> 91	325	330	335	<i>delete</i>

---

92	<210> 5687			
93	<211> 79			
94	<212> PRT			
95	<213> Enterobacter cloacae			
96	<400> 5687			
97	Leu Ile Asp Gln Pro Val Lys Val Thr Thr Glu Pro Asp Gly Ser			
98	1 5 10 15			
99	Trp Val Glu Val His Glu Pro Leu Ser Arg Asn Arg Ala Glu Phe			
100	20 25 30			
101	Ser Thr Asn Lys Val Pro Leu Pro Ile Ser Ala Ala Gln Arg Thr			
102	35 40 45			
103	Leu Ile Ser Glu Gly Ala Gly Ala Glu Leu Glu Arg Arg Ser Gly			
104	50 55 60			
105	Pro Val Lys Leu Ala Met Thr Gly Ser Ala Ser Leu Ala Gly			
E--> 106	65 70 75		80	<i>delete</i>

---

107	<210> 5696			
108	<211> 199			
109	<212> PRT			
110	<213> Enterobacter cloacae			
111	<400> 5696			
112	Gln Arg Asn Tyr Gln Val Ile Trp Ser Ser Thr Met Ala Lys Leu			
113	1 5 10 15			
114	Asp Tyr Tyr Lys Asp Glu Val Val Asn Lys Leu Met Thr Glu Phe			
115	20 25 30			
116	Tyr Asn Ser Val Met Gln Val Pro Arg Val Glu Lys Ile Thr Leu			
117	35 40 45			
118	Met Gly Val Gly Glu Ala Ile Ala Asp Lys Lys Leu Leu Asp Asn			
119	50 55 60			
120	Ala Ala Asp Leu Thr Ala Ile Ser Gly Gln Lys Pro Leu Ile Thr			
121	65 70 75		80	
122	Ala Arg Lys Ser Val Ala Gly Phe Lys Ile Arg Gln Gly Tyr Pro			
123	85 90 95			
124	Gly Cys Lys Val Thr Leu Arg Gly Glu Arg Met Trp Glu Phe Leu			
125	100 105 110			
126	Arg Leu Ile Thr Ile Ala Val Pro Arg Ile Arg Asp Phe Arg Gly			
127	115 120 125			
128	Ser Ala Lys Ser Phe Asp Gly Arg Gly Asn Tyr Ser Met Gly Val			
129	130 135 140			
130	Glu Gln Ile Ile Phe Pro Glu Ile Asp Tyr Asp Lys Val Asp Arg			
131	145 150 155		160	
132	Arg Gly Leu Asp Ile Thr Ile Thr Thr Thr Gly Lys Ser Asp Glu			
133	165 170 175			
134	Gly Arg Ala Leu Leu Ala Ala Phe Glu Phe Pro Val Pro Gln Val			
135	180 185 190			
136	Val Arg Phe Thr Glu Met			

*next page*

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/252,691A**

DATE: 02/15/2000

TIME: 12:44:31

Input Set: I252691A.RAW

E--&gt; 137

195

200

*delete*

138 <210> 5711  
 139 <211> 184  
 140 <212> PRT  
 141 <213> Enterobacter cloacae  
 142 <220>  
 143 <221> UNSURE  
 144 <222> (165)  
 145 <400> 5711  
 146 Lys Leu Tyr Ala Arg Glu Ala Phe Met Pro Arg Arg Gln Ile Leu  
 147 1 5 10 15  
 148 Ser Glu Glu Gln Glu Arg Leu Leu Val Ile Pro Asp Asp Glu Ile  
 149 20 25 30  
 150 Leu Thr Arg Met Cys Phe Leu Asn Glu Pro Asp Ile Ala Leu Ile  
 151 35 40 45  
 152 Lys His Arg Arg Pro Ala Asn Arg Leu Gly Phe Ala Val Leu Leu  
 153 50 55 60  
 154 Tyr Leu Arg Gly Pro Gly Phe Ile Pro Asp Lys Ser Ser Ala Pro  
 155 65 70 75 80  
 156 Asn Gly Val Val Ser Arg Val Ala Ser Arg Leu Lys Leu Gln Pro  
 157 85 90 95  
 158 Leu Trp Pro Glu Tyr Ala Ser Arg Glu Gln Thr Arg Trp Glu His  
 159 100 105 110  
 160 Thr Glu Leu Tyr Arg Tyr Leu Glu Leu Ser Pro Phe Ser Arg Ser  
 161 115 120 125  
 162 Gln Lys Glu Cys Ile Arg His Leu Gln Pro Tyr Ala Met Arg Thr  
 163 130 135 140  
 164 Lys Arg Phe Met Leu Ala Gly Arg Asn Ala His Leu Gly Tyr Ile  
 165 145 150 155 160  
 W-->OK 166 Asn Asn Val Tyr Xaa Pro Leu Leu Leu Lys Val Ile Gln Thr Asp  
 167 165 170 175  
 168 Leu Pro Lys Ser Phe Thr Leu  
 E--> 169 180

185 *delete*

170 <210> 5726  
 171 <211> 254  
 172 <212> PRT  
 173 <213> Enterobacter cloacae  
 174 <220>  
 175 <221> UNSURE  
 176 <222> (253)  
 177 <400> 5726  
 178 Thr Ala Pro Val His Ser Gly Ala Val Leu Thr Phe Leu Lys Thr  
 179 1 5 10 15  
 180 Arg Lys Arg Arg Tyr Phe Glu Phe Tyr Glu Ala Ser Asn Met Val  
 181 20 25 30  
 182 Val Val Ala Leu Val Gly Arg Pro Asn Val Gly Lys Ser Thr Leu  
 183 35 40 45  
 184 Asn Arg Leu Thr Arg Thr Arg Asp Ala Leu Val Ala Asp Phe Pro

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691A

DATE: 02/15/2000

TIME: 12:44:31

Input Set: I252691A.RAW

185	50	55	60
186	Leu Thr Arg Asp Arg Lys Tyr Gly Arg Ala Glu Val Glu Gly Arg		
187	65	70	75
188	Phe Ile Cys Ile Asp Thr Gly Gly Ile Asp Gly Thr Glu Asp Gly		80
189		85	90
190	Glu Thr Arg Met Ala Glu Gln Ser Leu Leu Ala Ile Glu Glu Ala		
191		100	105
192	Val Val Leu Phe Met Val Asp Ala Arg Ala Gly Leu Met Pro Ala		
193		115	120
194	Ser Ala Ile Ala Lys His Leu Arg Ser Arg Glu Lys Pro Thr Phe		
195		130	135
196	Val Ala Asn Lys Thr Asp Gly Ile Asp Ala Asp Gln Ala Ile Ala		
197		145	150
198	Phe Trp Ser Leu Gly Leu Gly Asp Ile Tyr Pro Ile Ala Ala Ser		160
199		165	170
200	Gly Arg Gly Val Thr Ser Leu Leu Glu Thr Val Leu Leu Pro Trp		
201		180	185
202	Asp Glu Val Asn Pro Pro Glu Glu Val Asp Glu Asp Ala Glu Tyr		
203		195	200
204	Ala Gln Phe Glu Ala Gly Glu Glu Gly Glu Glu Glu Pro Glu Asp		
205		210	215
206	Phe Asn Pro Gln Asp Leu Pro Ile Lys Leu Ala Ile Val Gly Arg		
207		225	230
W-->OK 208	Asn Val Gly Lys Ser Thr Leu Thr Asn Arg Ile Phe Xaa		240
E--> 209		245	250

(255) delete

210	<210> 5730
211	<211> 119
212	<212> PRT
213	<213> Enterobacter cloacae
214	<400> 5730
215	Ser Cys Leu Phe Leu Cys Phe Phe Cys Pro Phe Met Leu Ile Ile
216	1
217	Asn Thr Met Cys Val Ile Ile Ile Ala Thr Glu Leu Glu Lys Arg
218	20
219	Ile Met Lys Asn Val Leu Ser Leu Ser Leu Leu Leu Phe Ile Ser
220	35
221	Gly Tyr Ala Ala Ser Glu Val Thr Tyr Leu Asn Pro Thr Pro Gln
222	50
223	Ala Val Arg Ile Gly Glu Val Ser Phe Phe Lys Ala Gly Ser Ala
224	65
225	Gln Ser Glu Val Ile Gly Ser Leu Ser Lys Lys Ala Asp Ser Leu
226	85
227	Gly Thr His Phe Glu Ile Ser Ser Leu Asn Ser Ser Asp Asn Thr
228	100
229	Ala Thr Ala Ile Val Tyr
E--> 230	115

(120) delete

The errors shown in these pages are global. Due to size of listing, only these pages shown as sample of the error. Please delete all amino acid numbers that do not

231 &lt;210&gt; 5736

232 &lt;211&gt; 419

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

(F9)I

have a corresponding amino acid